

ABSTRACT OF THE DISCLOSURE

Disclosed herein is a bicycle of the type driven by operation of a handle. According to the present invention, a shaft rod of the bicycle is installed with a hinge so as to enable the handle to rotate forward or backward. The handle is bent by a constant angle on the basis of the hinge, thereby being divided into both upper and lower portions on the basis of the hinge. The handle is formed at the lower portion thereof with an elongated guide bore, and a roller is inserted inside the guide bore so as to move upward and downward along the guide bore. The roller is connected to the upper end of a rod, which is installed so as to move upward and downward in a rectilinear course according to pulling and pushing operation of the handle. The rod is associated at the lower end thereof with a rotating cam by means of a connection link. The cam is installed at one side thereof with a driving gear rotating along with the cam, and the driving gear is provided at an internal portion thereof with a ratchet. The ratchet is adapted to rotate in only one direction due to a stopper. The driving gear is installed around an outer periphery thereof with an auxiliary sprocket rotating along with the driving gear. A center shaft of the front wheel is integrally installed with a center shaft gear so as to be associated with the auxiliary sprocket through a chain. Since the front wheel of the bicycle

can be driven by operation of the handle, the bicycle of the present invention enables the rider to effectively perform exercise of his/her upper body as well as his/her lower body, thereby inducing uniform development of the whole body.

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